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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 7605 P 003 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/588042</b>
INTERNATIONAL APPLICATION NO. PCT/CN2004/000969	INTERNATIONAL FILING DATE 19 August 2004 (19/08/2004)	PRIORITY DATE CLAIMED 02 February 2004 (02/02/2004)
TITLE OF INVENTION A POLARIZED-CONTROLLED ENCODING METHOD, ENCODER, AND QUANTUM KEY DISTRIBUTION SYSTEM		
APPLICANT(S) FOR DO/EO/US Zhengfu HAN; Bing ZHU; Xiaofan MO; and, Guangcan GUO		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 3).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern documents) or information included:		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold;">10/588042</div>		INTERNATIONAL APPLICATION NO. PCT/CN2004/000969		ATTORNEY'S DOCKET NUMBER 7605 P 003	
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20. Other items or information:

Article 34 amendments (in English); International Search Report; International Preliminary Report on Patentability; PCT/IB/308x; PCT/IB/311; PCT/IB/332

The following fees have been submitted	CALCULATIONS	PTO USE ONLY								
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300	\$ 300.00									
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))										
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations.....\$200	\$ 200.00									
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))										
If the written opinion prepared by ISA/Us or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the USA by the IB.....\$400 All other situations.....\$500	\$ 400.00									
<b>TOTAL OF 21, 22 and 23 =</b>	<b>\$ 900.00</b>									
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) 37 CFR 1.492(j)) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Total Sheets</th> <th style="width:15%;">Extra Sheets</th> <th style="width:30%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width:40%;">RATE</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">-100 =</td> <td style="text-align: center;">/50 =</td> <td></td> <td style="text-align: center;">x \$250</td> </tr> </tbody> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	-100 =	/50 =		x \$250	\$ 0	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE							
-100 =	/50 =		x \$250							
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).			\$ 130.00							
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE							
Total claims	6 -20 =	0	x \$50	\$ 0.00						
Independent claims	2 -3 =	0	x \$200	\$ 0.00						
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			0 + \$360	\$ 0.00						
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$ 1,030.00</b>						
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				515.00						
<b>SUBTOTAL =</b>				<b>\$ 515.00</b>						
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$						
<b>TOTAL NATIONAL FEE =</b>				<b>\$ 515.00</b>						
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$						
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 515.00</b>						
				Amount to be refunded:	\$					
				Amount to be charged:	\$					

AP20 Rec'd PCT/PTO 01 AUG 2006

- a. ☒ A check in the amount of \$ 515.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0280. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

## SEND ALL CORRESPONDENCE TO:

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WALLENSTEIN & WAGNER, LTD.  
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SIGNATURE

Monique A. Morneault

NAME

37,893

REGISTRATION NUMBER

248584

10/588042

AP20 Rec'd PCT/PTO 01 AUG 2006

In re U.S. National 371 application of: UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA

Inventor(s): Zhengfu HAN; Bing ZHU; Xiaofan MO; and, Guangcan GUO

For: A POLARIZATION-CONTROLLED ENCODING METHOD, ENCODER, AND QUANTUM KEY DISTRIBUTION SYSTEM

claims priority from  
PCT/CN2004/000969 filed 19 August 2004  
and  
Chinese Appln. No. 200410013996.6 filed 2 February 2004

OUR DOCKET NO. 7605 P 003

ENCLOSED: POSTCARD

CHECK IN THE AMOUNT OF \$515 (small entity)

3-PAGE TRANSMITTAL LETTER TO U.S. DESIGNATED OFFICE CONCERNING  
A TRANSMISSION UNDER 35 USC 371

14-PAGE PCT APPLICATION AS FILED, WITH 5 SHEETS OF FORMAL DRAWINGS (FIGURES 1-10)

1-PAGE AMENDMENTS UNDER PCT ARTICLE 34 (CLAIMS 1-6)

2-PAGE INTERNATIONAL SEARCH REPORT

INTERNATIONAL PRELIMINARY INTERNATIONAL REPORT ON PATENTABILITY

PCT/IB/308; PCT/IB/311; AND, PCT/IB/332

I HEREBY CERTIFY THAT THIS PAPER AND THE ABOVE DOCUMENTS ARE BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS EXPRESS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: MAIL STOP PCT, THE COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450, ON August 1, 2006 UNDER EXPRESS MAIL NO. EV400548230US.

*Nisan M. Franklin*

PLEASE ADDRESS ALL FUTURE COMMUNICATIONS TO:

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WALLENSTEIN & WAGNER, LTD.  
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